

## INTERNATIONAL SEARCH REPORT

IN2004/000067

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B22F9/14

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 B22F**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

#### **C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 208 (M-1401), 23 April 1993 (1993-04-23) -& JP 04 350107 A (SUMITOMO ELECTRIC IND LTD), 4 December 1992 (1992-12-04)	1-10, 12, 20
Y A	abstract paragraph '0007! - paragraph '0017! paragraph '0020! -----	11 13-19
Y	PATENT ABSTRACTS OF JAPAN vol. 014, no. 424 (M-1024), 12 September 1990 (1990-09-12) -& JP 02 166202 A (ISHIKAWAJIMA HARIMA HEAVY IND CO LTD), 26 June 1990 (1990-06-26) abstract -----	11
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :	
*A*	document defining the general state of the art which is not considered to be of particular relevance
*E*	earlier document but published on or after the International filing date
*L*	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
*O*	document referring to an oral disclosure, use, exhibition or other means
*P*	document published prior to the International filing date but later than the priority date claimed
*T*	later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*X*	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*Y*	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
*S*	document member of the same patent family

**Date of the actual completion of the International search**

**Date of mailing of the international search report**

18 October 2004

28/10/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-2016

**Authorized officer**

Ceulemans, J

## INTERNATIONAL SEARCH REPORT

IN2004/000067

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) -& JP 2004 124155 A (SUMITOMO ELECTRIC IND LTD), 22 April 2004 (2004-04-22) abstract	1-20
A	DE 28 01 918 A (MAX PLANCK GESELLSCHAFT) 19 July 1979 (1979-07-19) the whole document	1-20
A	WO 01/17671 A (BALLARD STEPHEN G ; AMERICAN INTER METALLICS INC (US)) 15 March 2001 (2001-03-15) the whole document	1-20
P,A	WO 03/080275 A (CHANG ISAAC TSZ HONG ; METAL NONPOWDERS LTD (GB)) 2 October 2003 (2003-10-02) the whole document	1-20

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

IN2004/000067

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 04350107	A	04-12-1992	NONE		
JP 02166202	A	26-06-1990	NONE		
JP 2004124155	A	22-04-2004	NONE		
DE 2801918	A	19-07-1979	DE	2801918 A1	19-07-1979
WO 0117671	A	15-03-2001	AU CA CN EP JP WO	7343900 A 2383861 A1 1377297 T 1230017 A1 2003508633 T 0117671 A1	10-04-2001 15-03-2001 30-10-2002 14-08-2002 04-03-2003 15-03-2001
WO 03080275	A	02-10-2003	WO	03080275 A2	02-10-2003